

The City of Orem Transportation Master Plan

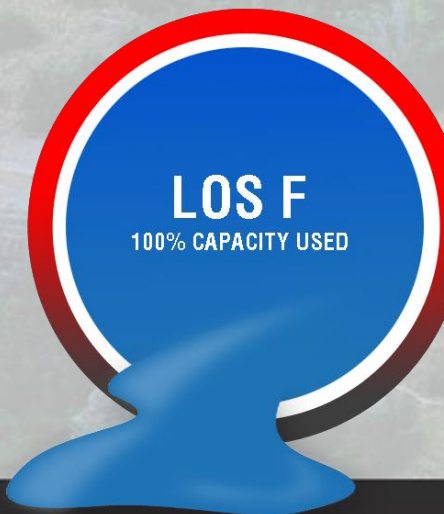
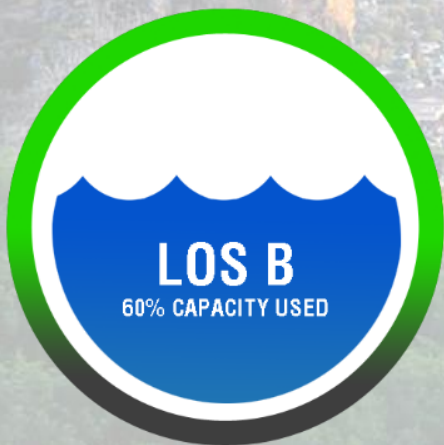
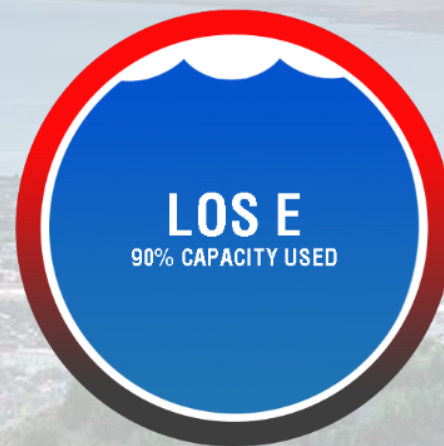
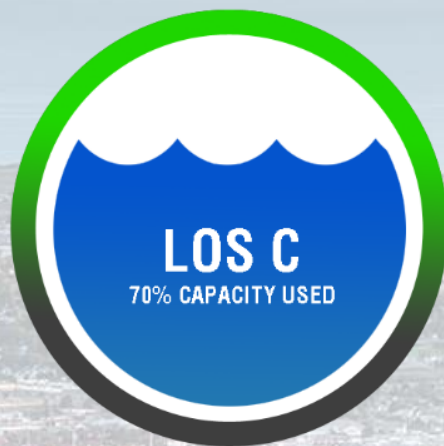
City Council Work Session

November 17, 2015

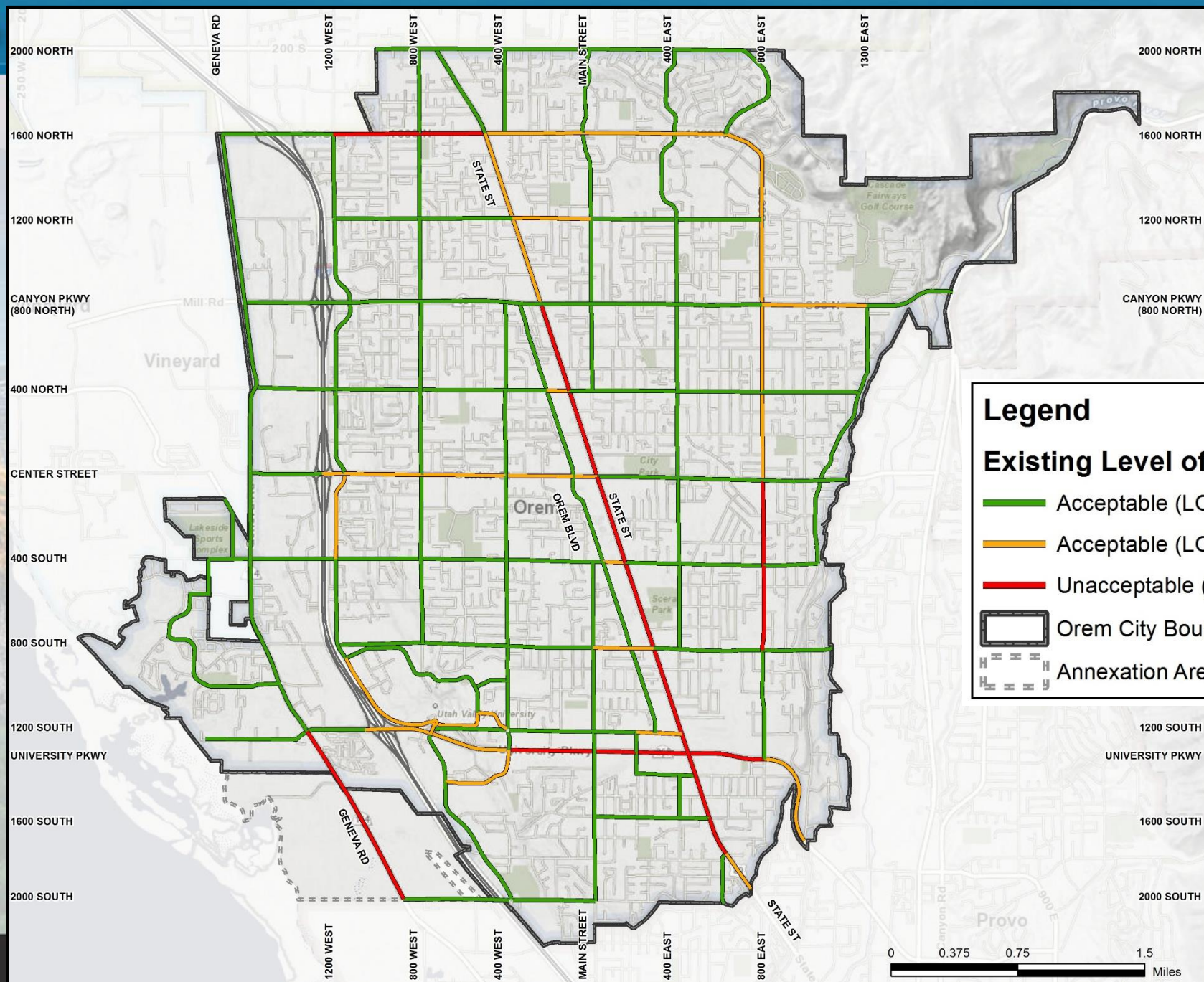
Transportation Master Plan Elements

- Traffic Calming Guidelines
- Traffic Study Guidelines
- Access Management Program
- Speed Limit Review
- Orem Pass-Through Traffic
- Capital Improvement Plan

Level of Service



Existing Level of Service



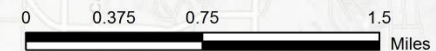
Legend

Existing Level of Service

- Acceptable (LOS C or Better)
- Acceptable (LOS D)
- Unacceptable (LOS E or Worse)

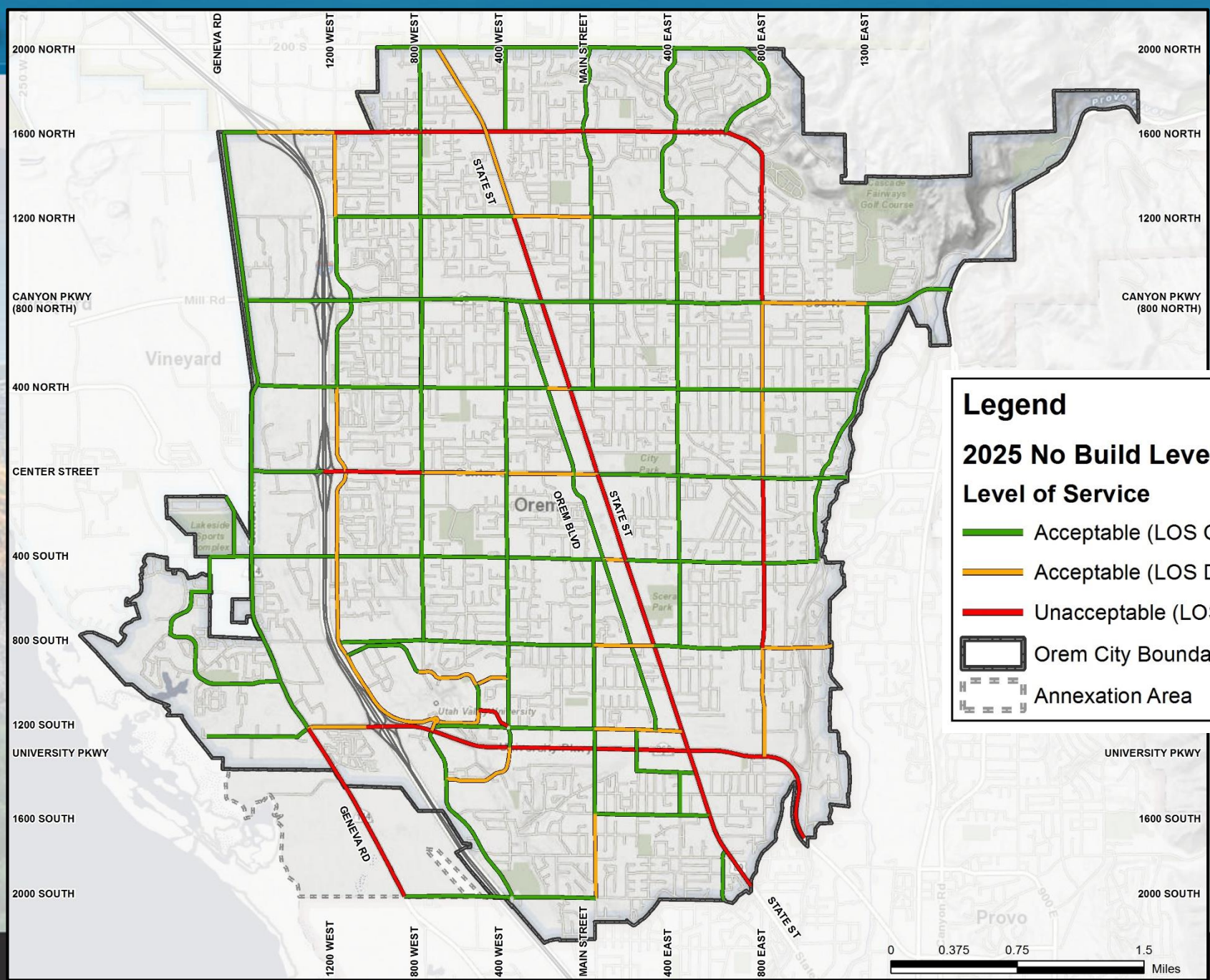
Orem City Boundary

Annexation Area

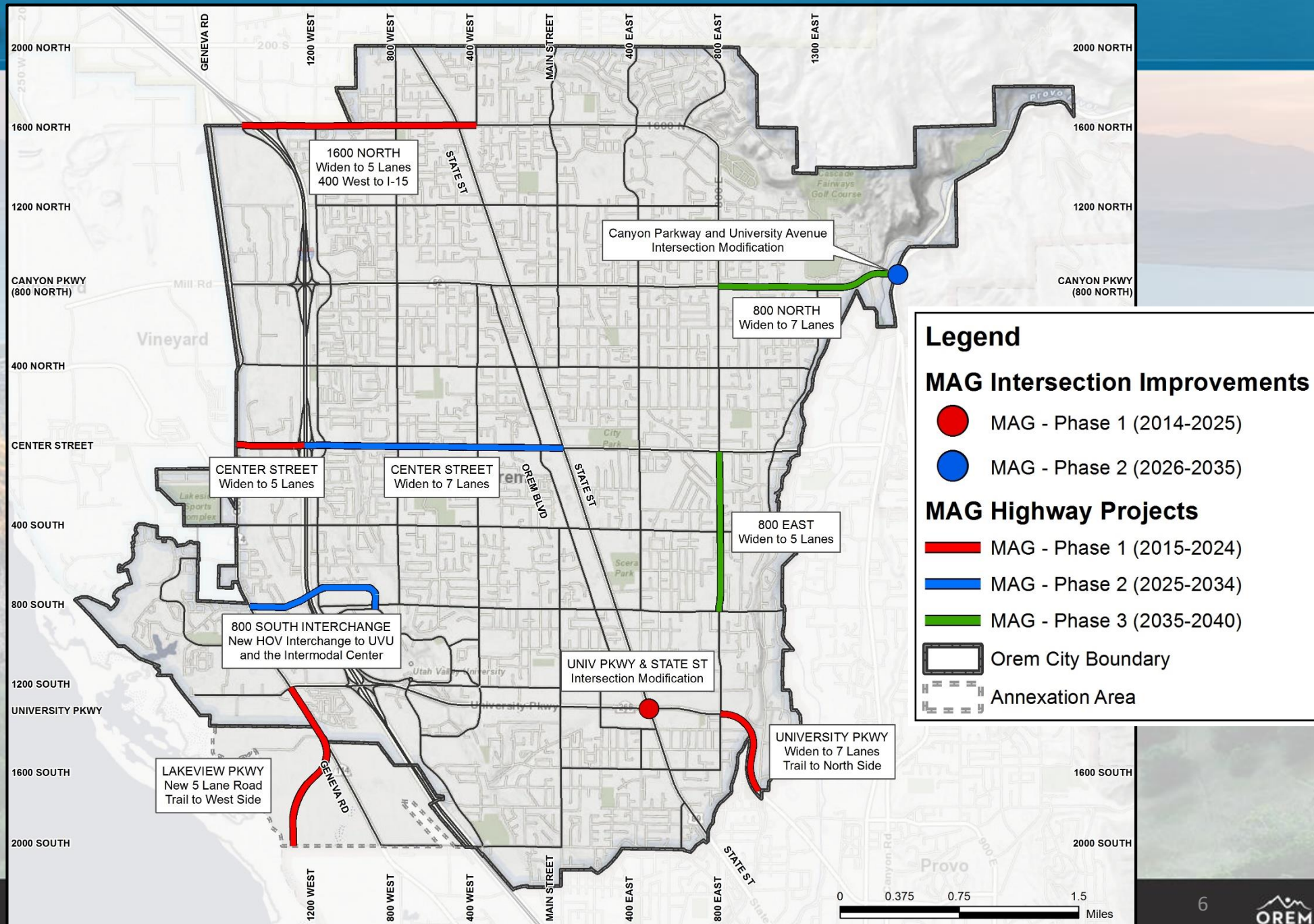


2025 No-Build Level of Service

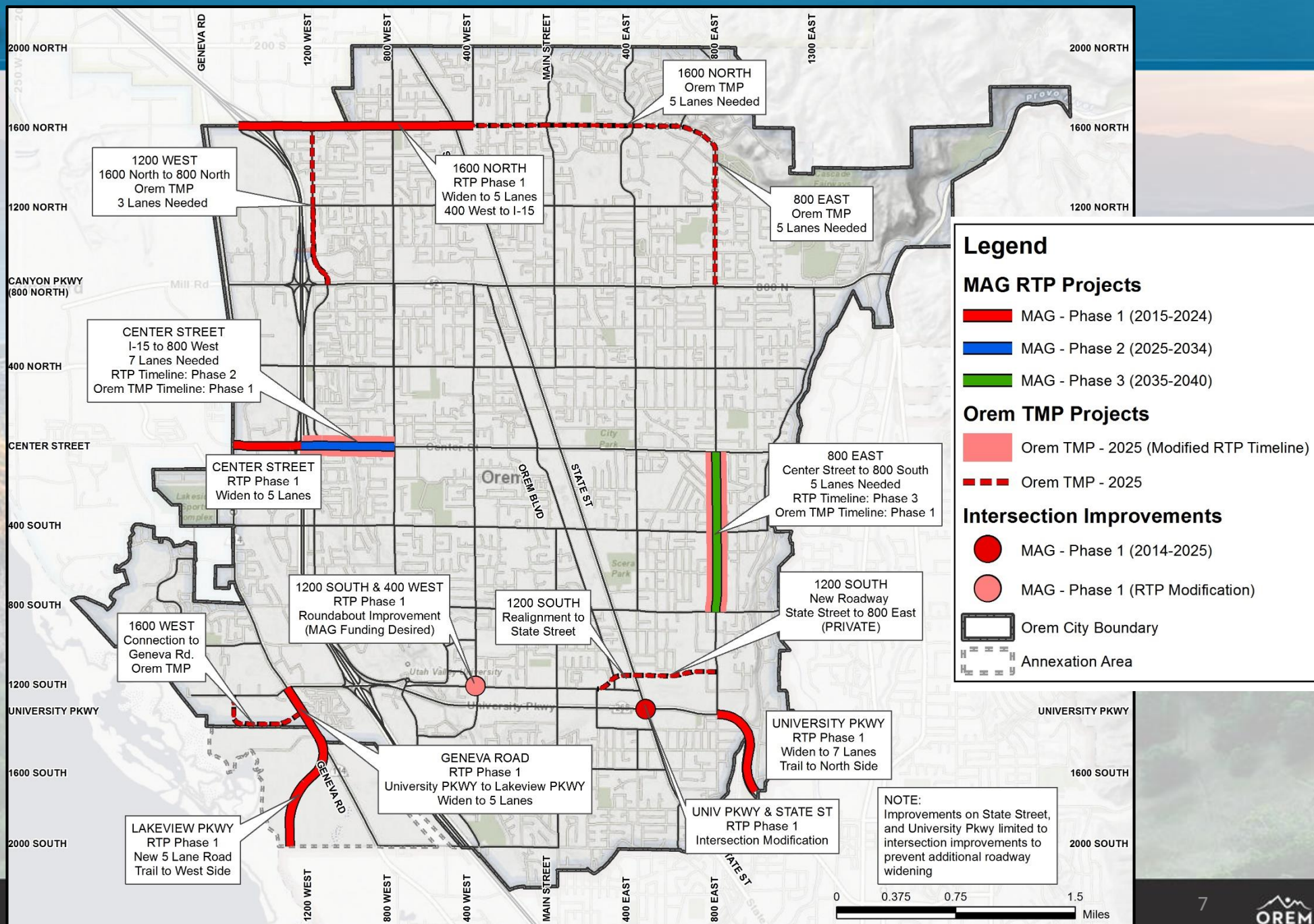
(Existing Roadway Network with 2025 Traffic Volumes)



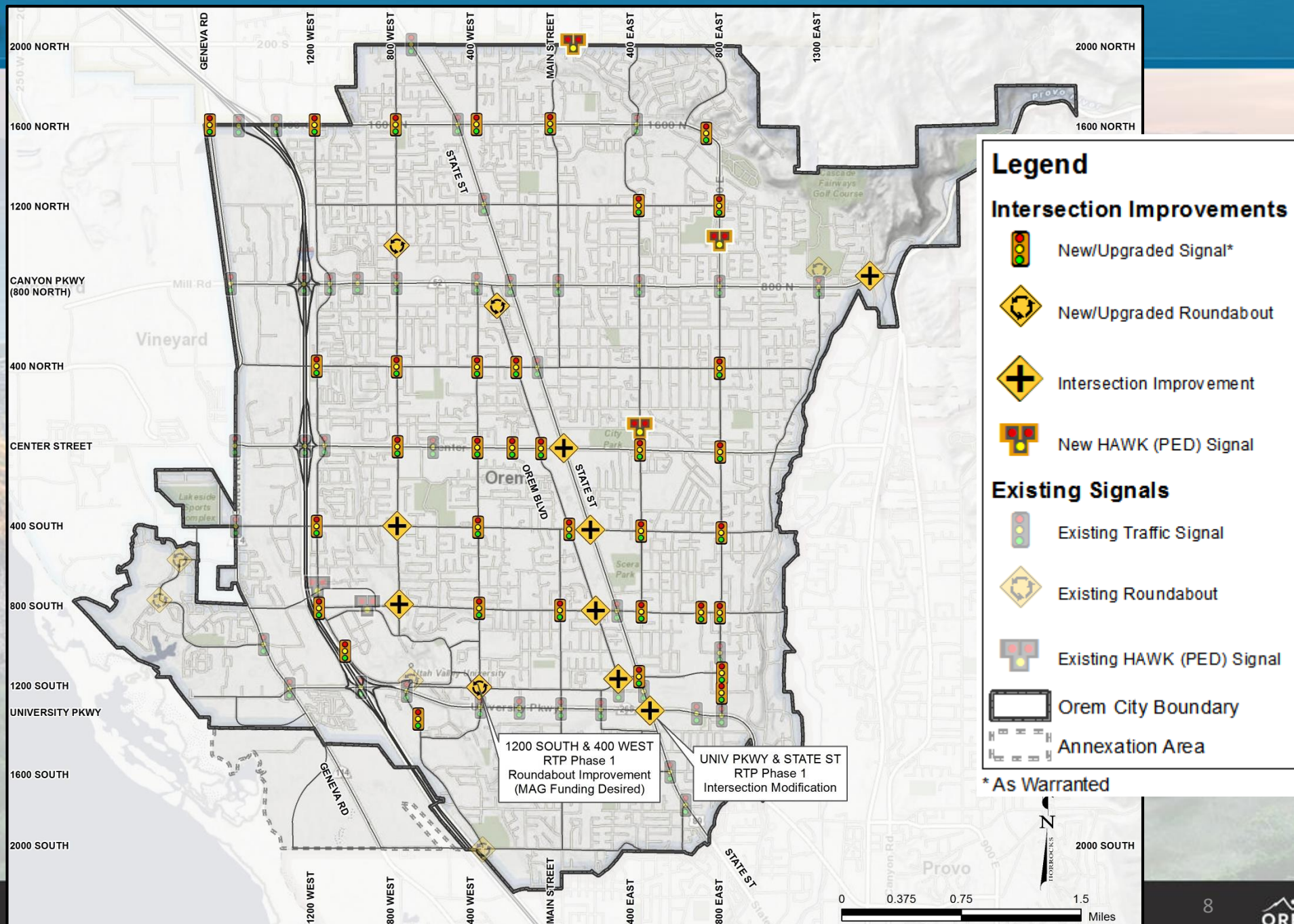
MAG Regional Transportation Plan and UDOT Projects



10 Year CIP Roadway Projects



10 Year CIP Intersection Projects



10 Year CIP Phase 1 (2016-2020)

Costs

<u>Total Cost</u>	<u>Total</u> Cost with Inflation	<u>Orem</u> Cost with Inflation
\$78.2 Million	\$91.8 Million	\$7.7 Million

10 Year CIP Phase 2 (2011-2025)

Costs

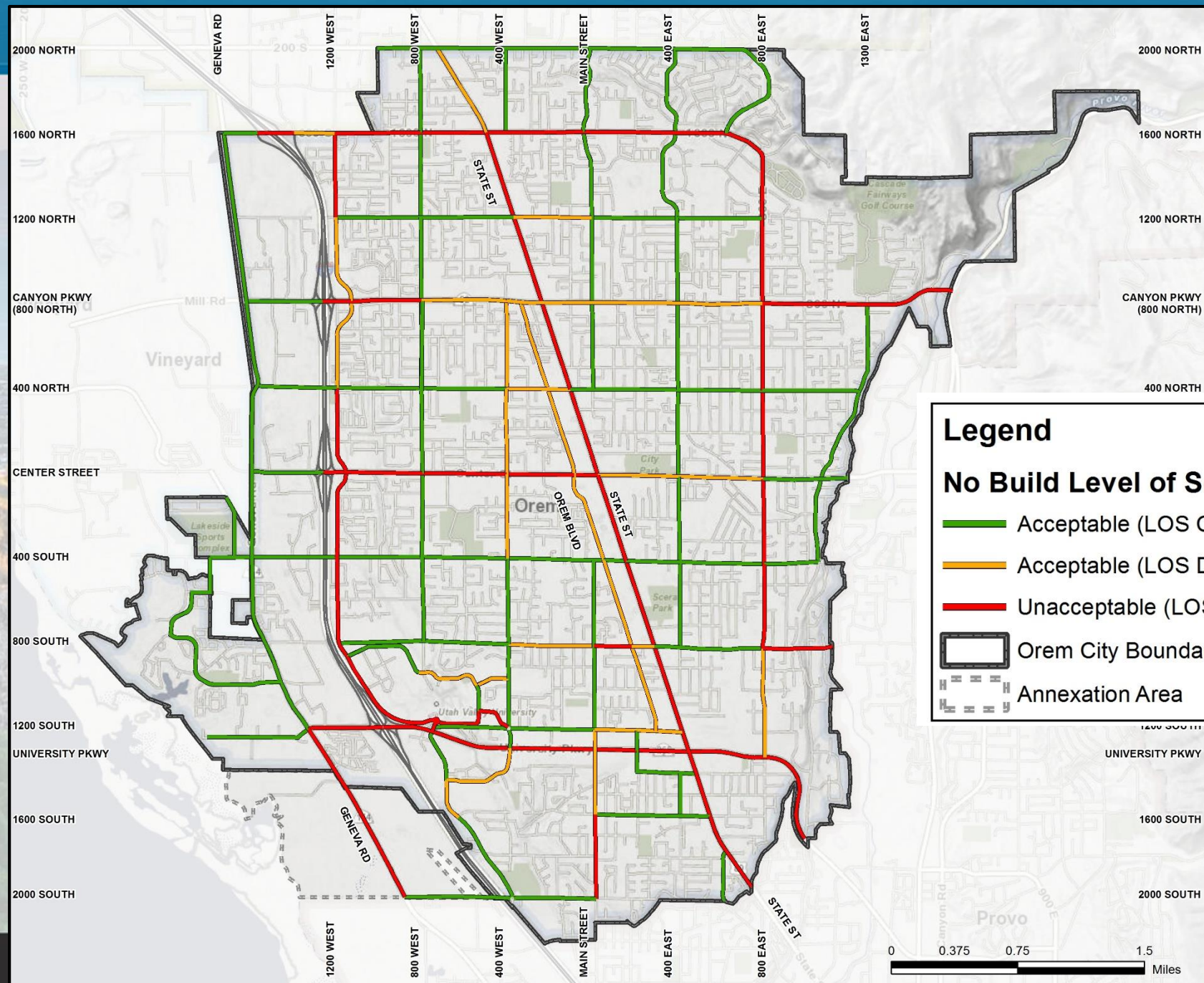
<u>Total Cost</u>	<u>Total</u> Cost with Inflation	<u>Orem</u> Cost with Inflation
\$87.2 Million	\$91.6 Million	\$19.1 Million

10 Year CIP
(2016-2025)

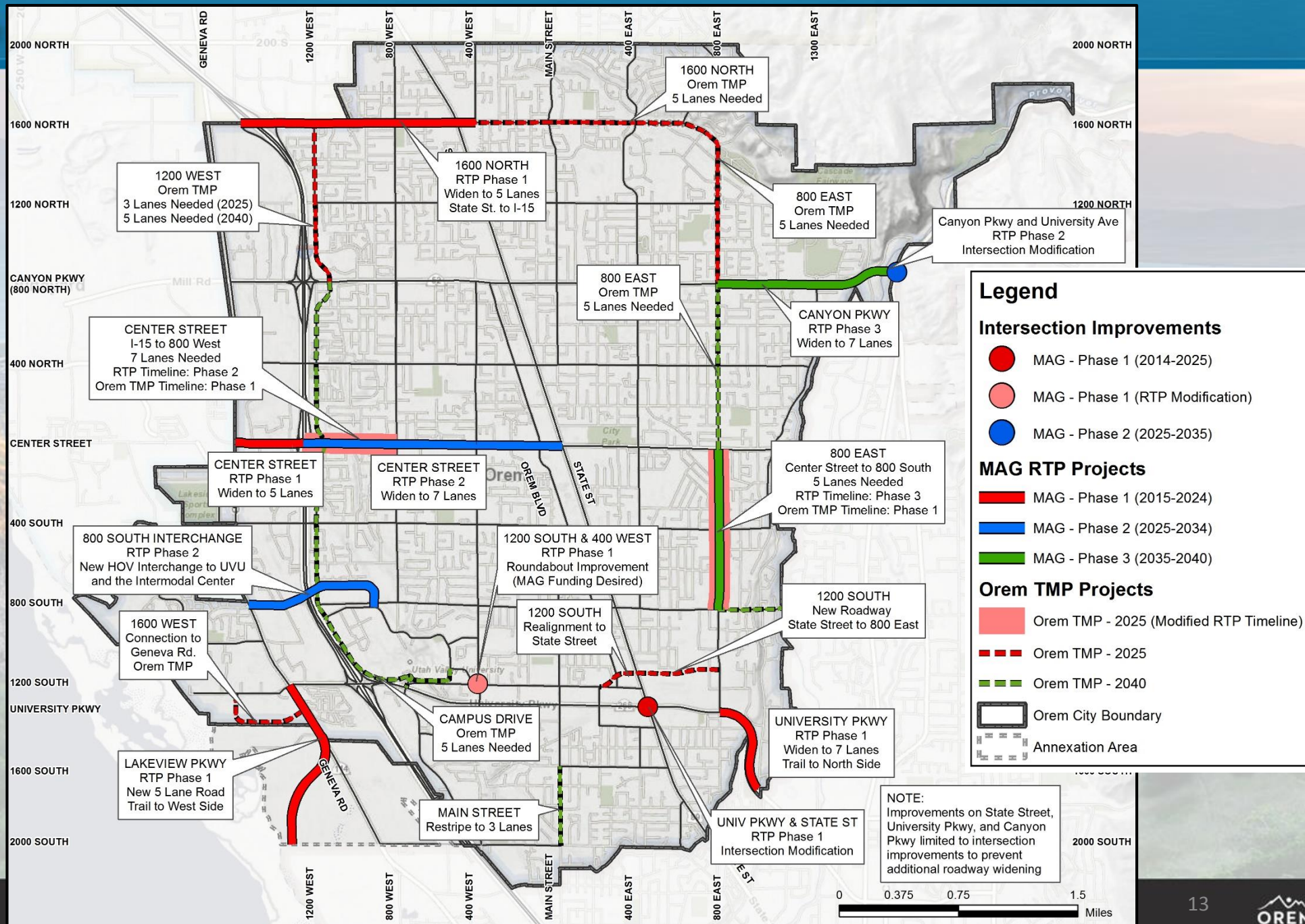
Total Cost

<u>Total Cost</u>	<u>Total Cost with Inflation</u>	<u>Orem Cost with Inflation</u>
\$165.4 Million	\$183.4 Million	\$26.8 Million

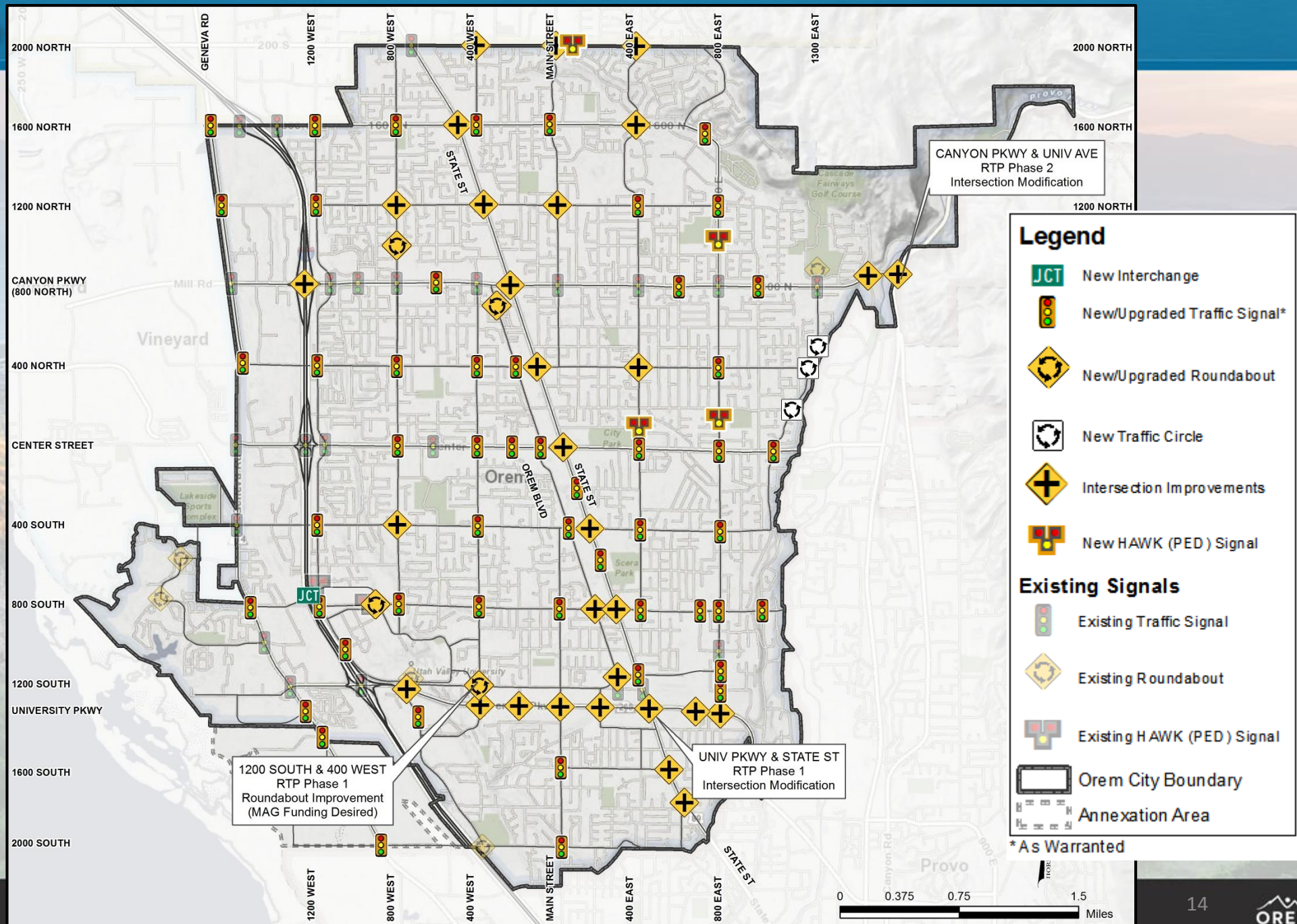
2040 No-Build Level of Service (Existing Roadway Network with 2040 Traffic Volumes)



2040 Roadway Projects

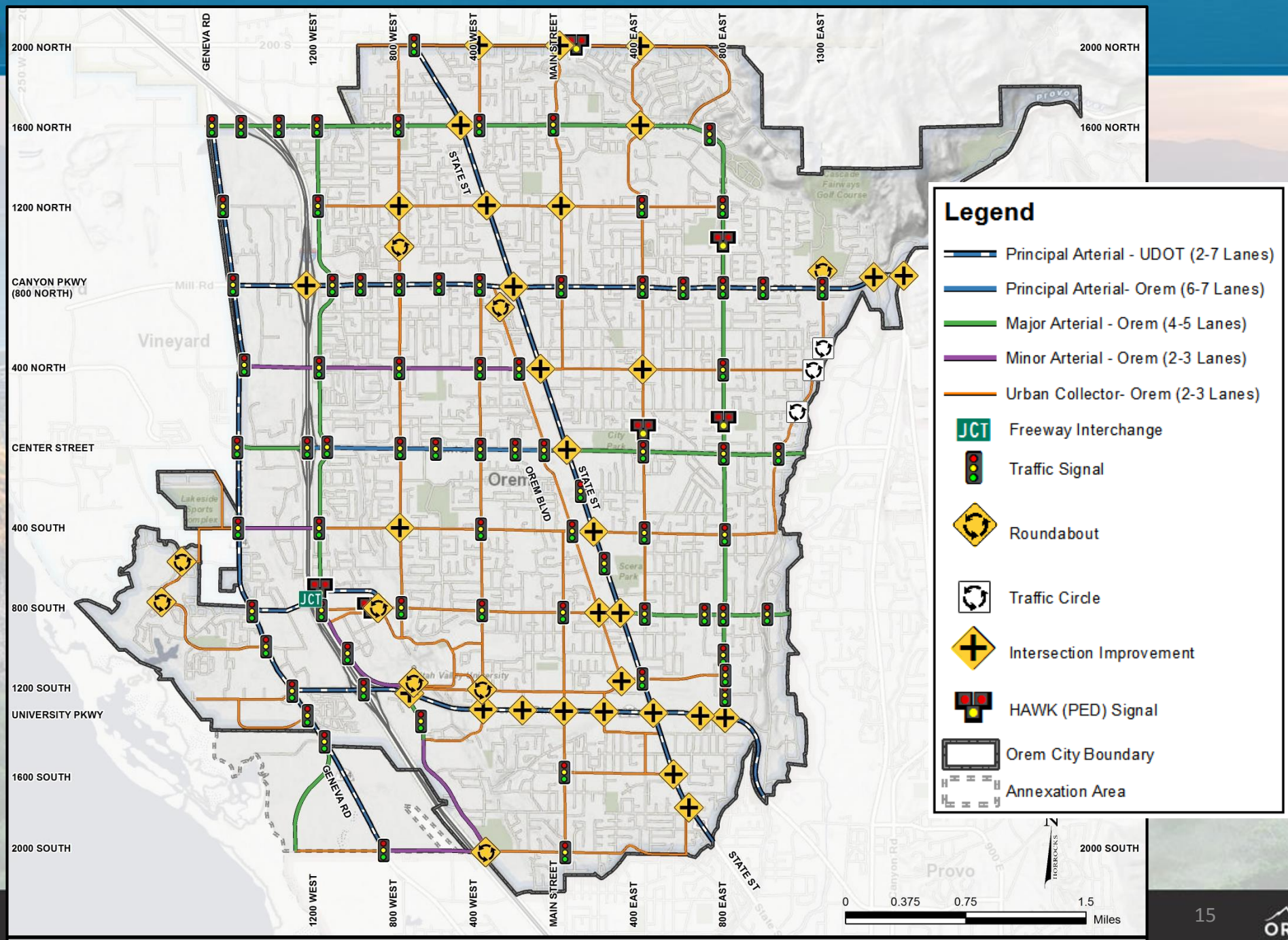


2040 Intersection Projects



2040 Roadway Network Functional Class

(If all Proposed Projects Completed)



Managed Motorways



Managed Motorways (Cont.)

1. Traffic Signal Management

- Time of Day – versus – Continuous Traffic Counts
- $\frac{1}{4}$ mile versus $\frac{1}{2}$ mile signal spacing

2. Improve Grid Network

- More Street Connections

3. Managing Friction Factors

- Consolidate Access Points with Redevelopment
- Raised Medians Over Time
- Best Parking Practices

Managed Motorways (Cont.)

4. Transit Improvements

- Increase Bus Service
- BRT, Light Rail, Street Car

5. Alternate North-South Corridor Improvement

- Sandy City (East of I-15)
State Street, 700 East, 1300 East, Highland Drive
- City of Orem (East of I-15)
State Street



QUESTIONS?

Funding and
Cost

	Statewide Gas Tax
Effective date	January 1, 2016
Method of revenue	\$0.05/gallon of gas
Estimated revenue to Orem	\$440,000 annually